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SECURITY INFORMATION

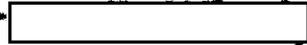
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Germany (Russian Zone)

FBI Abstract of



Radio Direction Finder for Use on Ships -- 4 pp -- German --



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This radio direction finder, consisting of Loop Antenna RA 31-1 (or RA 31-2) and Receiver RE 31-1, serves for locating transmitters within a frequency band of 250 - 545 kc. It is employed on ships at sea for direction finding.

The receiving portion of the installation is a superheterodyne with two tunable input circuits, two band-pass filters, and two oscillators. The intermediate frequency is 125 kc. In A_1 operation its bandwidth is 100 - 200 cps, and in A_2 and A_3 operation, it is 1 - 2 kc.

The installation operates on the M-circuit, 220 volt line; in emergencies it can be operated on a battery in conjunction with a transformer. The total weight of the unit is 90 kg.

The report is accompanied by a complete circuit diagram, and two diagrams showing the dimensions of the loop antenna and the RF receiver. The photograph listed as Sheet No 5 in the list of contents was not appended.

The device was developed by the RFT Werkwerk Kopenhagen WER [redacted] according to [redacted]; however, the firm of RFT WTB Radio- u. Fernmeldetechnik, Leipzig C 1, appears on the documents.

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RETAIN OR DESTROY

Abstracted by



April 2,

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